

The analysis and prediction of the systems liquidus Li(Na),K||Hal,CrO₄ (Hal – F, Cl, Br, I)

© Ekaterina M. Dvoryanova,⁺¹ Elena O. Ignatieva,^{2*}
Marina V. Chugunova,³ and Ivan K. Garkushin^{1*}

¹ General and Inorganic Chemistry Department; ² Drilling Oil and Gas Wells Department.
Samara State Technical University. Molodogvardeiskaya St., 244. Samara, 443100.

Samara region. Russia. Phone: +7 (846) 242-36-92. E-mail: dvoryanova_kat@mail.ru

³ Technology of Storage and Processing of Animal Products Department.
Samara State Academy of Agriculture. Russia.

*Supervising author; ⁺Corresponding author

Keywords: prediction of liquidus, analysis series, differential thermal analysis, T-x diagram, eutectic, phase equilibria.

Abstract

The prediction liquidus, the analysis similar series of ternary reciprocal systems Li(Na),K||Hal,CrO₄ (Hal – F, Cl, Br, I) founded, was conducted. The prediction results in the systems Na,K||Br,CrO₄ и Na,K||I,CrO₄ was confirmed by differential thermal analysis.